OPINION 1717

Bucephalus Baer, 1827 and *B. polymorphus* Baer, 1827 (Trematoda): conserved in their accepted usage

Ruling

(1) Under the plenary powers all previous fixations of type specimens for the nominal species *Bucephalus polymorphus* Baer, 1827 are hereby set aside and microscopic preparation no. 1655b in the Zoological Museum, Humboldt University, Berlin (the lectotype of *Gasterostomum fimbriatum* Siebold, 1848) is designated as the neotype.

(2) The following names are hereby placed on the Official List of Generic Names in Zoology:

(a) *Bucephalus* Baer, 1827 (gender: masculine), type species by monotypy *Bucephalus polymorphus* Baer, 1827;

(b) *Rhipidocotyle* Diesing, 1858 (gender: feminine), type species by subsequent designation by Nicoll (1914) *Gasterostomum minimum* Wagener, 1852 (a junior subjective synonym of *Monostoma galeatum* Rudolphi, 1819).

(3) The following names are hereby placed on the Official List of Specific Names in Zoology:

(a) *polymorphus* Baer, 1827, as published in the binomen *Bucephalus polymorphus* and as defined by the neotype designated in (1) above (specific name of the type species of *Bucephalus* Baer, 1827);

(b) *galeatum* Rudolphi, 1819, as published in the binomen *Monostoma galeatum* (senior subjective synonym of the specific name of *Gasterostomum minimum* Wagener, 1852, the type species of *Rhipidocotyle* Diesing, 1858);

(c) *campanula* Dujardin, 1844, as published in the binomen *Distoma campanula*.

(4) The name *Gasterostomum* Siebold, 1848 is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology (a junior objective synonym of *Bucephalus* Baer, 1827).

(5) The name *fimbriatum* Siebold, 1848, as published in the binomen *Gasterostomum fimbriatum* and as defined by the lectotype designated by Baturo (1979), is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology (a junior objective synonym of the specific name of *Bucephalus polymorphus* Baer, 1827).

History of Case 2251

An application for the conservation of the generic and specific names of *Bucephalus polymorphus* Baer, 1827 by the designation of a neotype was received from Dr B. Baturo (*Inland Fisheries Institute, Olsztyn, Poland*) on 27 February 1978. Notice of the case was sent to appropriate journals. The history of this long-standing case was summarised in notes on BZN **49**: 6 and 62. After correspondence the case was republished in BZN **49**: 6–11 (March 1992) with the agreement of Dr Baturo.

Dr Srivastava (*Zoological Survey of India, Calcutta*), who opposed Dr Baturo's original application published in BZN **36**: 30–36 (July 1979), was notified (August 1991) of the intention to republish it. Dr David I. Gibson (*The Natural History*

Museum, London, U.K.) had also written to Dr Srivastava in September 1988. There has been no reply to either communication.

A shortened version of Dr Srivastava's comment (received January 1981) was published (BZN **49:** 62–64) at the same time as the republished application, together with recent comments in support of Dr Baturo's application from Dr Gibson, Dr O.N. Pugachev (*Zoological Institute, Russian Academy of Sciences, St Petersburg, Russia*) and Prof J.C. Pearson (*University of Queensland, Australia*). A copy of these comments was sent to Dr Srivastava at the time of publication.

It was noted on the voting paper that the essential difference between Dr Baturo's position and that of Dr Srivastava was that the former proposed conservation of the established usage of the names *Bucephalus* and *polymorphus*, whereas the latter (following priority strictly) would transfer these names to the taxon known as *Rhipidocotyle illensis* (= *campanula*). Drs Gibson and Pugachev and Prof Pearson opposed the replacement of *Rhipidocotyle* by *Bucephalus* (and of *Bucephalus* auctt. by *Gasterostomum*) which would result from adherence to priority.

Decision of the Commission

On 1 December 1992 the members of the Commission were invited to vote on the proposals published in BZN **49**: 9–10. At the close of the voting period on 1 March 1993 the votes were as follows:

Affirmative votes — 25: Bayer, Bock, Bouchet (in part), Cocks, Cogger, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Macpherson, Mahnert, Minelli, Nielsen, Nye, Ride, Savage, Schuster, Starobogatov, Trjapitzin, Uéno, Willink

Negative votes — 4: Lehtinen, Martins de Souza, Štys and Thompson.

Bouchet supported conservation of the usage of *Bucephalus polymorphus* but considered that the Commission should not be involved with questions of subjective synonymy such as the placing of *Rhipidocotyle galeata* and *R. campanula* on the Official List of Specific Names. (*Editorial note.* The type of *Rhipidocotyle* is the nominal species *Gasterostomum minimum*, as given in ruling (2)(b). It has long been the practice to cite senior subjective synonyms of type species in the Official Lists (in accordance with Recommendation 67B of the Code) but in this and all other cases it is not to be inferred that the Commission takes any view on the taxonomic synonymy. *R. campanula* is placed on the List as a senior subjective synonym of *R. illensis*, repeatedly mentioned in this case; again the Commission has taken no view on the supposed synonymy and the placing of names on Official Lists confers no special status on them (Article 78f of the Code)).

Lehtinen and Martins de Souza commented that with the current taxonomic knowledge of the group it was preferable that priority should apply. Štys commented: 'In cases concerning names of species with complex development it is better to stay with the generally understood Principle of Priority when discoveries in taxonomy lead to concomitant nomenclatural changes, rather than to make exceptions by invoking the plenary powers. Zoologists studying such groups should expect and be prepared to accept such name changes'.

Original references

The following are the original references to the names placed on Official Lists and Official Indexes by the ruling given in the present Opinion:

Bucephalus Baer, 1827, *Nova Acta Physico-Medica Academiae Caesareae Leopoldino-Carolinae Naturae Curiosorum*, **13**: 570.

campanula, *Distoma*, Dujardin, 1844, *Histoire naturelle des helminthes ou vers intestinaux*, p. 435.

fimbriatum, *Gasterostomum*, Siebold, 1848, *Lehrbuch der vergleichende Anatomie der wirbellosen Thiere*, vol. 1, p. 129.

galeatum, *Monostoma*, Rudolphi, 1819, *Entozoorum synopsis, cui accedunt mantissa duplex et indices locupletissimi*, p. 86.

Gasterostomum Siebold, 1848, *Lehrbuch der vergleichende Anatomie der wirbellosen Thiere*, vol. 1, p. 129.

polymorphus, *Bucephalus*, Baer, 1827, *Nova Acta Physico-Medica Academiae Caesareae Leopoldino-Carolinae Naturae Curiosorum*, **13**: 570.

Rhipidocotyle Diesing, 1858, *Sitzungsberichte der Mathematisch-Naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften*, **32**: 313.

The following is the reference for the designation of *Gasterostomum minimum* Wagener, 1852 as the type species of the nominal genus *Rhipidocotyle* Diesing, 1858:

Nicoll, W. 1914. *Journal of the Marine Biological Association of the U.K.*, (2)**10**: 490.

The following is the reference for the designation of the lectotype of *Gasterostomum fimbriatum* Siebold, 1848:

Baturo, B. 1979. BZN **36**: 33.